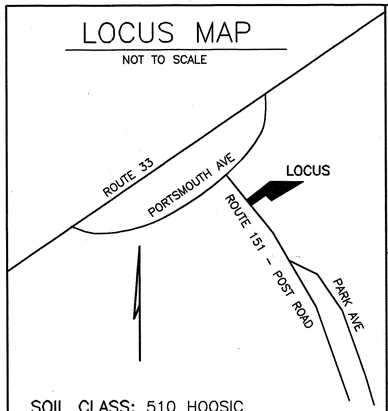
LOCUS MAP

NOT TO SCALE



SOIL CLASS: 510 HOOSIC

(SOURCE: USDA-SCS SOIL SURVEY)

BENCH MARKS: DATUM = ASSUMED

#1 SET NAIL BASE MAPLE EL 52.40
#2 SET NAIL BASE TREE EL 50.19
#3 SET NAIL BASE ~~PINE~~ MAPLE EL 52.37
#4 EXIS FIRST FLOOR EL 50.85±

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 47.8
2. THERE IS/ARE APPROX 2.5 FT BELOW ORIGINAL GROUND ON THE HIGH CONTOUR THE DESIGNED EDS.

SUITABLE REPLACEMENT AREA:

SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

- 50 / (50) — EXISTING CONTOUR / PROPOSED CONTOUR
- 50.0 — EXISTING SPOT ELEVATION
- (50.0) — PROPOSED SPOT ELEVATION

NOTES:

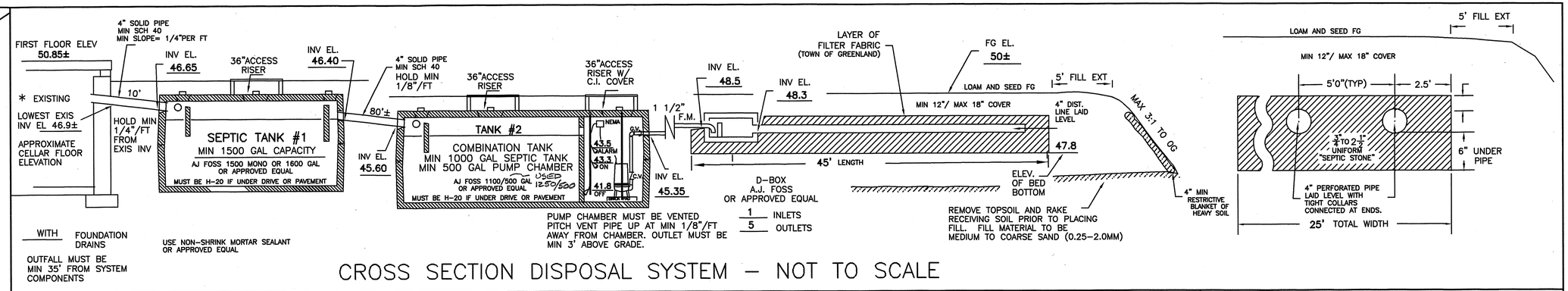
1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE:

   RCRD PLAN C6802 (1977)

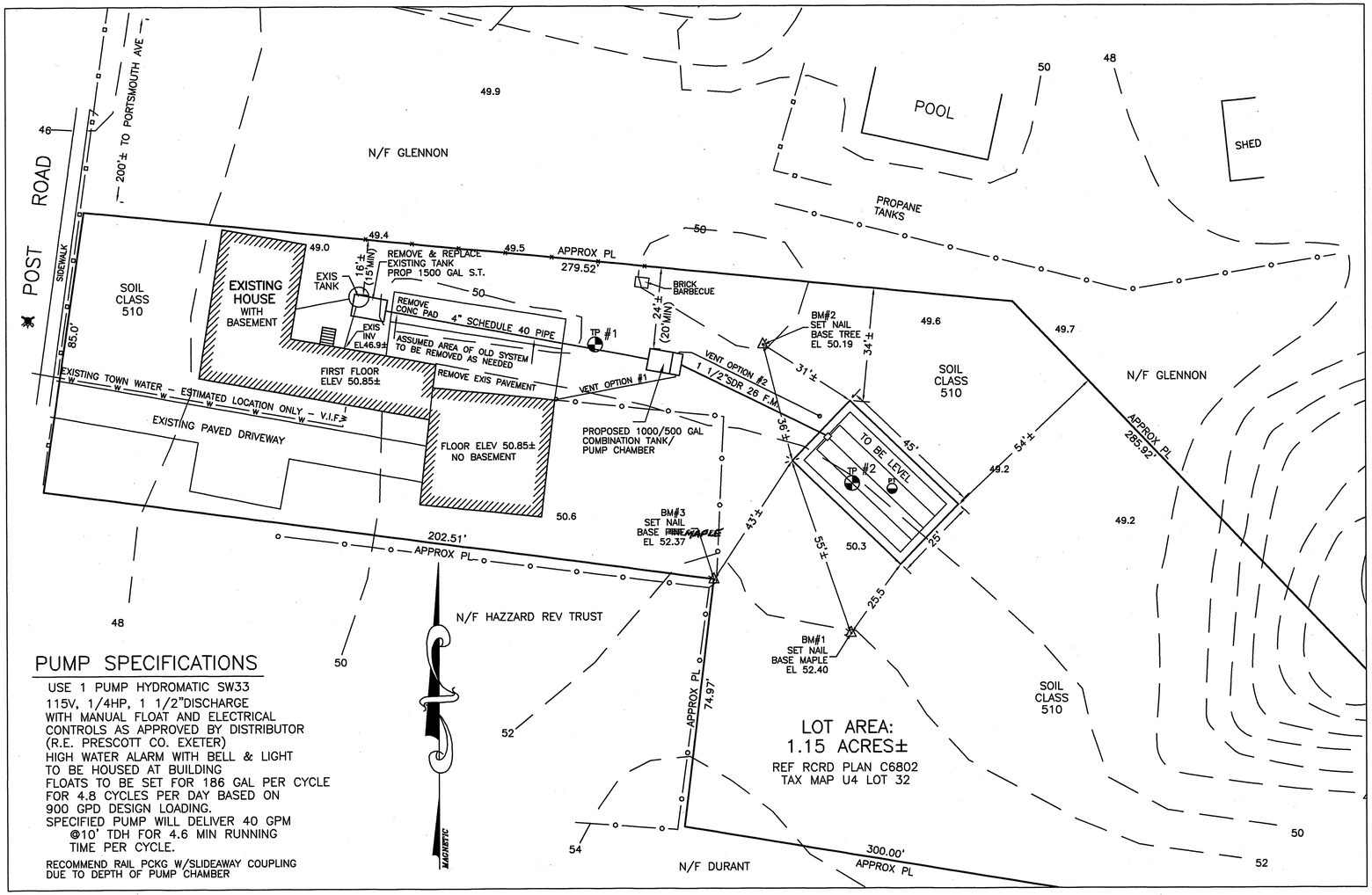
2. NHDES-WS&PCD SUBDIVISION APPROVAL NUMBER: NONE FOUND. COPY OF 1977 SUBDIVISION ENCLOSED. HOUSE BUILT 1820.
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL WASTE.
4. NO SURFACE WATER OR WELL WITHIN 100' OF PROPOSED SYSTEM.

SITE LOADING:
SOIL CLASS - HOOSIC - GROUP 1
SLOPE - AB - 0-8%
DESIGN LOADING = 6 BEDROOMS = 900 GPD
REQUIRED LOT SIZE =
900/2000 X 1 = 0.45 ACRE REQUIRED
EXISTING LOT SIZE = 1.15 ACRE PROVIDED.

CROSS SECTION DISPOSAL SYSTEM - NOT TO SCALE


FIRST FLOOR ELEV 50.85±
4" SOLID PIPE MIN SCH 40 MIN SLOPE= 1/4"PER FT
INV EL. 46.65
36"ACCESS RISER
INV EL. 46.40
4" SOLID PIPE MIN SCH 40 HOLD MIN 1/8"/FT
36"ACCESS RISER
36"ACCESS RISER W/ C.I. COVER
* EXISTING LOWEST EXIS INV EL 46.9±
APPROXIMATE CELLAR FLOOR ELEVATION
10'
HOLD MIN 1/4"/FT FROM EXIS INV
SEPTIC TANK #1
MIN 1500 GAL CAPACITY
AJ FOSS 1500 MONO OR 1600 GAL OR APPROVED EQUAL
MUST BE H-20 IF UNDER DRIVE OR PAVEMENT
80'±
TANK #2
COMBINATION TANK
MIN 1000 GAL SEPTIC TANK
MIN 500 GAL PUMP CHAMBER
AJ FOSS 1100/500 GAL OR APPROVED EQUAL
USED 1250/500
MUST BE H-20 IF UNDER DRIVE OR PAVEMENT
NEMA
43.5 ALARM
43.3 ON
41.8 OFF
INV EL. 45.60
INV EL. 45.35
1 1/2" F.M.
C.V.
INV EL. 48.5
INV EL. 48.3
LAYER OF FILTER FABRIC (TOWN OF GREENLAND)
FG EL. 50±
LOAM AND SEED FG
5' FILL EXT
MIN 12"/ MAX 18" COVER
4" DIST. LINE LAID LEVEL
45' LENGTH
47.8
ELEV. OF BED BOTTOM
MAX 3:1 TO 06
4" MIN RESTRICTIVE BLANKET OF HEAVY SOIL
5' FILL EXT
LOAM AND SEED FG
MIN 12"/ MAX 18" COVER
5'0"(TYP)
2.5'
2" TO 2 1/2" UNIFORM "SEPTIC STONE"
6" UNDER PIPE
4" PERFORATED PIPE LAID LEVEL WITH TIGHT COLLARS CONNECTED AT ENDS.
25' TOTAL WIDTH
WITH FOUNDATION DRAINS
OUTFALL MUST BE MIN 35' FROM SYSTEM COMPONENTS
USE NON-SHRINK MORTAR SEALANT OR APPROVED EQUAL
PUMP CHAMBER MUST BE VENTED PITCH VENT PIPE UP AT MIN 1/8"/FT AWAY FROM CHAMBER. OUTLET MUST BE MIN 3' ABOVE GRADE.
D-BOX A.J. FOSS OR APPROVED EQUAL
1 INLETS
5 OUTLETS
REMOVE TOPSOIL AND RAKE RECEIVING SOIL PRIOR TO PLACING FILL. FILL MATERIAL TO BE MEDIUM TO COARSE SAND (0.25-2.0MM)

PLAN : 1"=20'



PUMP SPECIFICATIONS

USE 1 PUMP HYDROMATIC SW33
115V, 1/4HP, 1 1/2"DISCHARGE
WITH MANUAL FLOAT AND ELECTRICAL CONTROLS AS APPROVED BY DISTRIBUTOR (R.E. PRESCOTT CO. EXETER)
HIGH WATER ALARM WITH BELL & LIGHT TO BE HOUSED AT BUILDING
FLOATS TO BE SET FOR 186 GAL PER CYCLE FOR 4.8 CYCLES PER DAY BASED ON 900 GPD DESIGN LOADING.
SPECIFIED PUMP WILL DELIVER 40 GPM @10' TDH FOR 4.6 MIN RUNNING TIME PER CYCLE.

RECOMMEND RAIL PCKG W/SLIDEAWAY COUPLING DUE TO DEPTH OF PUMP CHAMBER

PLOT PLAN

1"=APPROX _____

TP TEST PIT DATA

DATE: SEPTEMBER 23, 2004

TOWN INSPECTOR: BOB CUSHMAN

TEST PIT #1 EL 49.6

0 -12" 10YR3/4 FINE SAND LOAM (TOPSOIL) GRANULAR FRIABLE
12-108" 10YR5/6 MEDIUM SAND GRANULAR FRIABLE TO LOOSE GRADUAL CHANGE TO 2.5Y5/4 WITH DEPTH
NO EVIDENCE OF SHWT TO 9', NO OBSERVED WATER
NO REFUSAL, ROOTS TO 24"+

TEST PIT #2 EL 50.0

0 - 6" LOAM AND ROOT MAT (TO BE REMOVED)
6 -28" 10YR5/8 GRAVELLY LOAMY FINE SAND GRANULAR FRIABLE
28-91" 2.5Y5/4 FINE TO MEDIUM SAND GRANULAR FRIABLE TO LOOSE
NO EVIDENCE OF SHWT TO 91", NO OBSERVED WATER,
NO REFUSAL, ROOTS TO 28"+

PT PERC TEST DATA

DATE: SEPTEMBER 23, 2004

PERC RATE: <2 MIN/INCH DEPTH: 24"

DESIGN LOADING: 6 BEDROOMS = 900 GPD

AREA REQUIRED: 900 @ 125SF/100GPD=1125 SF

AREA PROPOSED: 25' X 45' = 1125 SF PROVIDED

PROPOSED REPLACEMENT SYSTEM

SEPTIC SYSTEM PLAN

LOCUS: 17 POST ROAD
GREENLAND, NH

OWNER: POST ROAD FOUR, LLC
C/O PAUL THOMPSON
PO BOX 40
GREENLAND, NH 03840-0040

NEW HAMPSHIRE Designer of Subsurface Disposal Systems — Ann W. Bialobrzeski No. 348 — Wastewater Disposal & Pollution Control

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03842

DATE: NOVEMBER 22, 2004

APPROVAL: CA2004068239

SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

ENV-WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.
ENV-WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.
ENV-WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.
ENV-WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.
ENV-WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.